



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Group Art Unit: 2176

**Kenneth J. Hines**

Application No. 09/881,391

Filed: June 12, 2001

For: **SYSTEM AND METHOD FOR  
COORDINATION-CENTRIC  
DESIGN OF SOFTWARE SYSTEMS**

Date: November 21, 2002

Examiner:

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**THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

TO THE COMMISSIONER FOR PATENTS:

1. Pursuant to his duty of disclosure, applicant presents for the Examiner's consideration the documents listed on the accompanying Form PTO-1449.

☒ Copies of the documents are enclosed.

☐ Copies (a copy) of document(s) \_\_\_\_\_ are (is) not enclosed because (1) they are already of record in U.S. Pat. Application No. \_\_\_\_\_, filed \_\_\_\_\_, on which this application relies for an earlier filing date under 35 U.S.C. § 120, and (2) any information disclosure statement filed in the prosecution of U.S. Pat. Application No. \_\_\_\_\_, complies with 37 C.F.R. §§ 1.98(a) and (c). (37 C.F.R. § 1.98(d).)

2. ☐ Applicant(s) draw(s) the Examiner's attention to the enclosed copy of copending U.S. Pat. Application No. \_\_\_\_\_, filed \_\_\_\_\_, for \_\_\_\_\_, which is cited in this application.

3. This information disclosure statement is being submitted:


a. ☒ Within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office action on the merits; or before the mailing of a first Office action after the filing of a request for continued examination under 37 CFR 1.114. (No statement under 37 CFR 1.97(e) is required.)

b. ☐ After the period set forth in paragraph 1a, but before the mailing date of either a final action, a notice of allowance, or an action that otherwise closes prosecution in the application. (Check box i. or ii.)

- i. ☐ A \$180.00 information disclosure statement submission fee set forth in 37 CFR 1.17(p) is enclosed.
  - ii. ☐ A statement specified by 37 CFR 1.97(e) is set forth below.
  - c. ☐ After the mailing date of a final action or notice of allowance and on or before payment of an issue fee. A statement specified by 37 CFR 1.97(e) is set forth below. Enclosed is a \$180.00 information disclosure statement processing fee set forth in 37 CFR 1.17(p).
4. ☐ The attorney or agent signing below hereby states that:
- ☐ each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or
  - ☐ no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.
5. ☐ Applicants set forth below concise explanations of the relevance of each document not in the English language and/or selected documents in the English language.

Respectfully submitted,

**Kenneth J. Hines**

By   
Steven J. Munson  
Registration No. 47,812

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Attorney Docket No. 10488/4:2

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

APPLICATION NO.

10488/4:2

09/881,391

APPLICANT

Kenneth J. Hines

FILING DATE

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GROUP

2176

INFORMATION DISCLOSURE CITATION  
(Uses several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5	6	4	2	4	7	8	6/24/97	Chen, et al.			
	AB												
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	AL	EP 0 881 568 A2							29.05.1998	Europe	G06F	9/46		
	AM													
	AN													
	AO													
	AP													

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	Ken Hines and Gaetano Borriello, "A Geographically Distributed Framework for Embedded System Design and Validation," <i>DAC 98, June 15-19, 1998, San Francisco, CA USA</i> , pp. 140-145.
	AS	Gopalan Suresh Raj, "A Detailed Comparison of CORBA, DCOM, and Java/RMI," <i>Web Cornucopia</i> , wysiwyg://402/http://gsraj.tripod.com/misc/compare
	AT	"CORBA Overview," <i>CORBA v2.0</i> , July 1995, pp. 2-1 to 18-5

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DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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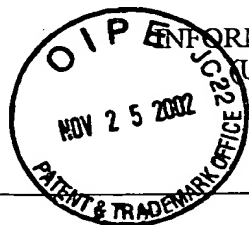
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AR	Richard J. Anderson, Paul Beame, Steve Burns, et al., "Model Checking Large Software Specifications," <i>Sigsoft '96 California, USA</i> , pp. 156-166.
AS	Ken Hines and Gaetano Borriello, "Debugging Distributed Implementations of Modal Process Systems," <i>Department of Computer Science &amp; Engineering, University of Washington, Seattle, WA</i> .
AT	Christopher B. Borchert, "Organization and Management of Distributed Execution Event Histories For Real-Time Debugging," <i>IEEE</i> , pp. 343-345.

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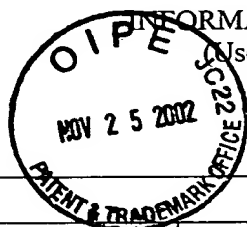
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AR	Wentong Cai, Wendy J. Milne and Stephen J. Turner, "Graphical Views of the Behavior of Parallel Programs," <i>Journal of Parallel and Distributed Computing</i> , June 18, 1993, No. 2, Orlando, FL, USA, pp. 223-230.
AS	Matthew S. Jaffe, Nancy G. Leveson, Mats P.E. Heimdahl, et al., "Software Requirements Analysis for Real-Time Process-Control Systems," <i>8198 IEEE Transactions on Software Engineering</i> , March 17, 1991, No. 3, New York, US, pp. 241-257.
AT	Thomas Kunz, David J. Taylor, and James P. Black, "Poet: Target-System-Independent Visualizations of Complex Distributed Executions," <i>IEEE</i> , 1997, pp. 452-461.

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AR	Doug Kimelman and Dror Zernik, "On-the-Fly Topological Sort - A Basis for Interactive Debugging and Live Visualization of Parallel Programs," <i>8398 ACM Sigplan Notices</i> , December 28, 1993, No. 12, New York, US, pp. 12-20.
AS	Mikhail Auguston, "Building Program Behavior Models," <i>Dept. of Computer Science, New Mexico State University</i> , pp. 19-26.
AT	Stephen Edwards, Luciano Lavagno, Edward A. Lee, et al., "Design of Embedded Systems: Formal Models, Validation, and Synthesis," <i>Proceedings of the IEEE</i> , Vol. 85, No. 3, March 1997, pp. 366-389.

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